भारतीय प्रौद्योगिकी संस्थान गुवाहाटी

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Corrigendum

This is to inform that the few changes in the Technical Specifications as per details mentioned at **ANNEXURE-I(Revised)** attached herewith have been made against our NIQ No. **IITG/RND/T111/23-24** and Tender ID: **2023_IITG_775856_1**.

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AR(R&D)

ANNEXURE-I(Revised)

Revised Technical Specifications against NIQ Ref. No. IITG/RND/T111/23-24 and Tender ID: 2023_IITG_775856_1

Sl. No.	Name	Parameter	Specification in the Tender (OLD)	Amended Specification (NEW)
1	**Specification of Server with Dual GPU, No. of Quantity: 02**	Controller	PCIe 4.0 based x8 RAID controller with 4GB Flash backed write cache, supporting RAID 0, 1, 1 TP, 10, 10 TP, 5, 6, 50, 60 with 16 SAS/SATA/NVME lanes supporting up to 16 direct-connected storage devices (SAS/SATA/NVMe).	PCIe 4.0 based x8 RAID controller with 4GB Flash backed write cache, supporting RAID 0, 1, 10, ,5, 6, 50, 60 with 16 SAS/SATA/NVME lanes supporting up to 16 direct-connected storage devices (SAS/SATA/NVMe).
		Networking features	Server should support below networking cards: 1. Min. 1Gb 2-port network adaptors 2. Min. 10Gb Dual Port Base T Host Bus Adapter	Server should be provided with the below networking cards: 1. Min. 1Gb 2-port network adaptors 2. Min. 10Gb Dual Port Base T Host Bus Adapter
		Interfaces	Min. 3 No's of USB 3.0 support	Interfaces: Min. 3 No's of USB support including 1 no USB 3.0 Port
2	**Specification of Server with Single GPU, No. of Quantity: 03**	Controller	PCIe 4.0 based x8 RAID controller with 4GB Flash backed write cache, supporting RAID 0, 1, 1 TP, 10, 10 TP, 5, 6, 50, 60 with 16 SAS/SATA/NVME lanes supporting up to 16 direct-connected storage devices (SAS/SATA/NVMe).	PCIe 4.0 based x8 RAID controller with 4GB Flash backed write cache, supporting RAID 0, 1, 10, ,5, 6, 50, 60 with 16 SAS/SATA/NVME lanes supporting up to 16 direct-connected storage devices (SAS/SATA/NVMe).
		Networking features	Server should support below networking cards: 1. Min. 1Gb 2-port network adaptors 2. Min. 10Gb Dual Port Base T Host Bus Adapter	Server should be provided with the below networking cards: 1. Min. 1Gb 2-port network adaptors 2. Min. 10Gb Dual Port Base T Host Bus Adapter
		Interfaces	Min. 3 No's of USB 3.0 support	Interfaces: Min. 3 No's of USB support including 1 no USB 3.0 Port
3	**Specification of Non-GPU Server, No. of Quantity: 10**	Controller	PCIe 4.0 based x8 RAID controller with 4GB Flash backed write cache, supporting RAID 0, 1, 1 TP, 10, 10 TP, 5, 6, 50, 60 with 16 SAS/SATA/NVME lanes supporting up to 16 direct-connected storage devices (SAS/SATA/NVMe).	PCIe 4.0 based x8 RAID controller with 4GB Flash backed write cache, supporting RAID 0, 1, 10, ,5, 6, 50, 60 with 16 SAS/SATA/NVME lanes supporting up to 16 direct-connected storage devices (SAS/SATA/NVMe).
		Networking features	Server should support below networking cards: 1. Min. 1Gb 2-port network adaptors 2. Min. 10Gb Dual Port Base T Host Bus Adapter	Server should be provided with the below networking cards: 1. Min. 1Gb 2-port network adaptors 2. Min. 10Gb Dual Port Base T Host Bus Adapter
		Interfaces	Min. 3 No's of USB 3.0 support	Interfaces: Min. 3 No's of USB support including 1 no USB 3.0 Port
4	**SAN Storage, No. of Quantity: 01**	OS and & Clustering Support	Offered storage array should support industry-leading OS platforms & clustering including Windows Server 2019 & 2022, VMware 7, Linux and UNIX operating system etc.	However, Storage non Unix OS based Storage array will be acceptable. All other specifications remains same.
		Cache	Offered Storage Array shall be given with Minimum of 12GB cache per controller in a single unit. Cache shall be backed up in case of power failure for indefinite time either using batteries or capacitors or any other equivalent technology. Offered Storage shall also have optional support for Flash cache using SSD / Flash drives. Offered storage shall support at-least 8TB Flash Cache. Offered Flash cache shall be tuned for random read operations and shall remain activated even at less than 70% of random average read workload.	Offered Storage Array shall be given with Minimum of 12GB cache per controller in a single unit. Cache shall be backed up in case of power failure for indefinite time either using batteries or capacitors or any other equivalent technology. Offered Storage shall also have optional support for Flash cache using SSD / Flash drives. Offered storage shall support at-least 4TB Flash Cache. Offered Flash cache shall be tuned for random read operations and shall remain activated even at less than 70% of random average read workload.
5	**KVM Switch, No. of Quantity: 01**	Environment	Operating temperature: 0 to 50°C	To be deleted/removed
			Storage temperature : -20–60˚C	To be deleted/removed
			Operating humidity : 0–80% RH, Non-condensing	To be deleted/removed
6	**Console**	Environment	Operating temperature: 0 to 50°C degree Storage temperature : -20 to 60°C degree,	To be deleted/removed
		Maximum Input Power Rating	Maximum Input Power Rating: 100-240 VAC; 50-60 Hz; 1A	To be deleted/removed

7	**10G Switch**	Environmental Specifications	Operating temperature : 0° to 50°C (32° to 122°F) Operating Humidity (relative) : 90% maximum relative humidity (RH), non-condensing Operating Altitude : 10,000ft (3,000m) maximum Storage temperature : –20° to 70°C (– 4° to 158°F) Storage Humidity (relative) : 95% maximum relative humidity, non-condensing Storage Altitude : 10,000ft (3,000m) maximum	To be deleted/removed
		Electromagnetic Emissions and Immunity	CE mark, commercial	To be deleted/removed
		Certifications	FCC Part 15 Class A, VCCI Class A	To be deleted/removed
			Class A EN 55022 (CISPR 22) Class A	To be deleted/removed
			Class A C-Tick	To be deleted/removed
			EN 55024	To be deleted/removed

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